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NPIC/R-112/62
July 1962

PHOTOGRAPHIC INTERPRETATION REPORT

**OAK
MISSION 9039
21 JULY 1962**



ARMY



NAVY



AIR FORCE

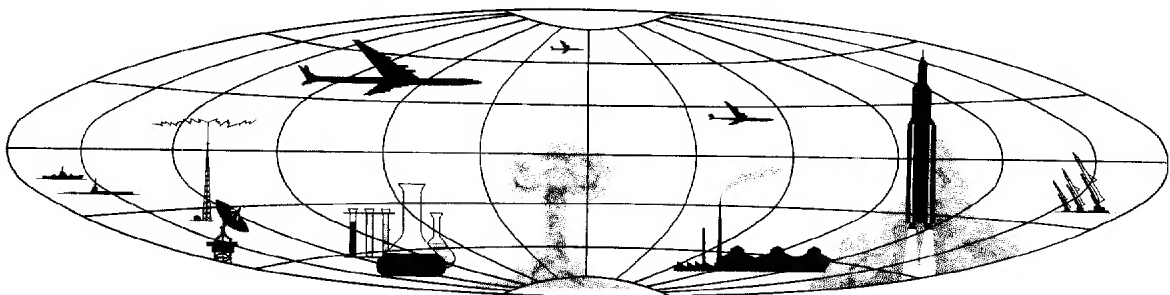


CIA



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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



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GROUP 1
Excluded from automatic
downgrading and declassification

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OAK MISSION 9039

PREFACE

THIS IS THE FIRST AND ONLY OAK REPORT BASED ON MISSION 9039 AND DEALING WITH THE HIGHEST-PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. THIS REPORT COVERS THE OAK-REPORTING PERIOD FROM 0800 HOURS, 26 JULY 62, TO 1630 HOURS, 26 JULY 62. THIS REPORT IS DIVIDED INTO 3 SECTIONS -- SECTION 1 DEALING WITH TARGETS OBSERVED (TARGETS WHICH COULD BE IDENTIFIED BUT NOT INTERPRETED, BECAUSE OF LIMITING CONDITIONS, ARE ALSO INCLUDED), SECTION 2 DEALING WITH TARGETS NOT OBSERVED BECAUSE OF CLOUD COVER, AND SECTION 3 DEALING WITH TARGETS NOT COVERED BY THE PHOTOGRAPHY.

SECTION 1 IS ARRANGED BY SUBJECT, AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY (BONUS TARGETS) OBSERVED DURING THE OAK-REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT FOLLOWING THE LISTING OF COMOR TARGETS. ALL TARGETS IN THIS REPORT ARE LOCATED IN THE USSR UNLESS OTHERWISE INDICATED.

THE NAMES WHICH APPEAR IN THE HEADERS FOR MRBM SITES ARE THE NAMES WHICH CONFORM WITH TDI CRITERIA (REFERENCE -- NAMING OF SURFACE-TO-SURFACE INSTALLATIONS, J2DM-35-62, 14 FEB 62).

PHOTOGRAPHIC REFERENCES ARE GIVEN FOR EACH TARGET OBSERVED AND REPORTED FOLLOWING THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE PREFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA, AND THE LETTER A PRECEDING FRAME NUMBERS INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE (X-Y) GRID COORDINATES ARE GIVEN IN PARENTHESES FOLLOWING THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS KH-4 (1) APR 62.

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF PHOTOGRAPHY FROM MISSION 9039 WAS ACCOMPLISHED IN A SHORT TIME AND OFTEN WITHOUT THE AID OF PRECISE ANALYTICAL AND MENSURAL EQUIPMENT COMMONLY EMPLOYED IN DETAILED PHOTOGRAPHIC ANALYSIS. CONSEQUENTLY, ALTHOUGH THE INFORMATION PRESENTED HEREIN IS ESSENTIALLY ACCURATE, FUTURE DETAILED ANALYSIS MAY SOMEWHAT ALTER PORTIONS OF THE INFORMATION.

TOP SECRET

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SUMMARY

FINAL STATUS OF COMOR TARGET READOUT
(TOTAL NUMBER OF COMOR TARGETS)

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A TOTAL OF 31 COMOR TARGETS WERE OBSERVED DURING THE ENTIRE OAK EXERCISE. THIRTEEN COMOR TARGETS WERE COVERED BY CLOUDS AND 203 WERE NOT COVERED BY PHOTOGRAPHY.

SUMMARY OF MISSILE ACTIVITY

TWO POSSIBLE SHORT-RANGE SSM SITES HAVE BEEN NEWLY IDENTIFIED IN THE VICINITY OF BUCHAREST, ROMANIA (MISSILE BONUS 1). ONE, POSSIBLY TWO, SA-2 SAM SITES HAVE BEEN NEWLY IDENTIFIED AT THE KORDON SAM TRAINING CENTER IN THE USSR (MISSILE BONUS 2).

TOP SECRET

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MISSILESARKHANGELSK SUSPECT ICBM AREA 6432N 04032E

WEST HALF OF AREA NOT COVERED BY PHOTOGRAPHY.
SCATTERED CLOUDS OVER EASTERN HALF. NO SSM ACTIVITY
IN CLOUD-FREE PORTIONS.

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ITATKA ICBM LAUNCH COMPLEX 5650N 08536E

LAUNCH COMPLEX 90 PERCENT COVERED BY SCATTERED CLOUDS
AND HAZE. LAUNCH AREAS A AND B CLOUD COVERED. HEAVY
CLOUDS, HAZE, AND SMALL SCALE OF PHOTOGRAPHY PRECLUDE
INTERPRETATION OF SUPPORT FACILITY. SEARCH OF CLOUD-
FREE AREAS WITHIN A 35-NM RADIUS OF THE LAUNCH
COMPLEX REVEALED NO ADDITIONAL LAUNCH SITES OR
SIGNIFICANT ACTIVITY.

25X1

SHADRINSK ICBM LAUNCH COMPLEX 5605N 06338E

CONSTRUCTION CONTINUING AT LAUNCH AREAS A AND B. NO
SIGNIFICANT CHANGE IN COMPLEX SINCE [REDACTED]

[REDACTED]
NO ADDITIONAL LAUNCH SITES OR SIGNIFICANT ACTIVITY
OBSERVED WITHIN A 35-NM RADIUS OF SHADRINSK.

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TYUMEN ICBM LAUNCH COMPLEX 5652N 06552E

ONLY A PORTION OF LAUNCH AREA A AND THE SERVICE ROADS
FOR LAUNCH AREAS A AND B ARE VISIBLE. NO NEW
CONSTRUCTION, SAM DEFENSES, NEW TRANSPORT ROUTES, OR

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[REDACTED] IN CLOUD-FREE
AREAS. NO ADDITIONAL LAUNCH AREAS OR SIGNIFICANT
ACTIVITY OBSERVED IN CLOUD-FREE AREAS WITHIN A 35-NM
RADIUS OF TYUMEN ICBM LAUNCH COMPLEX.

25X1

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KANDAGACH SUSPECT SSM AREA 4928N 05726E

NO SSM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS OF
KANDAGACH.

25X1

KAMEN-NA-OB I SUSPECT SSM AREA 5347N 08120E

NO SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS
WITHIN 50-NM RADIUS OF KAMEN-NA-OB I.

25X1

KRASNAYA GORBATKA SUSPECT SSM AREA 5552N 04146E

NO SSM OR UNIDENTIFIED CONSTRUCTION ACTIVITY IN
CLOUD-FREE AREAS WITHIN 50-NM RADIUS OF KRASNAYA
GORBATKA.

25X1

SVERDLOVSK SUSPECT SSM AREA 5650N 06037E

NO SSM ACTIVITY OBSERVED IN CLOUD-FREE AREAS WITHIN
50-NM RADIUS OF SVERDLOVSK.

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NOVOSIBIRSK ICBM LAUNCH COMPLEX 5502N 08256E

HEAVY HAZE AND SCATTERED CLOUDS PRECLUDE
INTERPRETATION OF THE NOVOSIBIRSK ICBM LAUNCH

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COMPLEX. A SEARCH OF THE CLOUD-FREE AREAS WITHIN A 35-NM RADIUS OF THE NOVOSIBIRSK ICBM LAUNCH COMPLEX REVEALED NO ADDITIONAL LAUNCH SITES OR SIGNIFICANT ACTIVITY.

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BERDSK SUSPECT SSM AREA 5445N 08305E

NO SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF SEARCH AREA. WEST THIRD OF SEARCH AREA CLOUD COVERED.

25X1

KURGAN SUSPECT SSM AREA 5526N 06520E

NO SSM ACTIVITY OBSERVED IN VISIBLE PORTIONS OF 50-NM RADIUS OF KURGAN.

25X1

BOGOTOL SUSPECT SSM AREA 5613N 08931E

NO SSM ACTIVITY OBSERVED IN CLOUD-FREE AREAS WITHIN A 50-NM RADIUS OF BOGOTOL.

25X1

CHELYABINSK SUSPECT SSM AREA 5510N 06125E

NO SSM ACTIVITY OBSERVED IN CLOUD-FREE AREAS WITHIN 50-NM RADIUS OF CHELYABINSK. CHELYABINSK AND AREA

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WEST OF CITY COVERED BY HEAVY HAZE AND CLOUDS. NW
QUADRANT CLOUD COVERED.

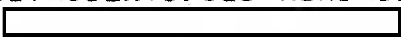

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 KAPUSTIN YAR/VLADIMIROVKA GM TEST RANGE 4835N 04545E

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NEWLY IDENTIFIED ROAD-SERVED AREA, SLIGHTLY EVIDENT
ON  IS LOCATED ON EAST SIDE OF
THE SERVICE ROAD AND RAILROAD TO LAUNCH COMPLEX C AND
SOUTH OF RAIL-SERVED SUPPORT AREA. THE AREA WILL BE
SERVED BY 2 ALL-WEATHER ROADS -- ONE FROM LAUNCH
COMPLEX C SERVICE ROAD, AND THE OTHER FROM THE
SERVICE ROAD TO LAUNCH COMPLEX A. CONSTRUCTION
ACTIVITY IS EVIDENT AT THE TERMINUS OF THESE
CONVERGING ROADS. NO OTHER SIGNIFICANT RANGE
ACTIVITY APPARENT. 

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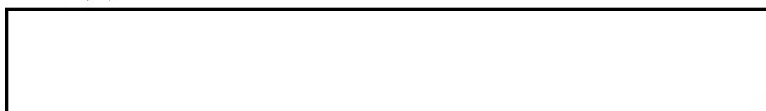


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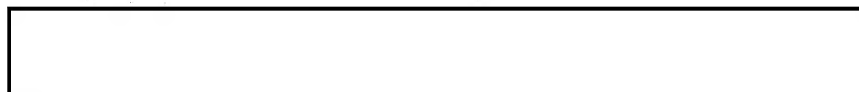
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EMBA AREA, PROBABLE MISSILE RANGE 4836N 05758E

TARGET CONSIDERED TO BE ASSOCIATED WITH OIL
EXPLORATION.



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DZHEZKAZGAN POSSIBLE FIELD LAUNCH POINT 4707N 06910E

INSTALLATION IS UNDER CONSTRUCTION. IT CANNOT BE DEFINITELY DETERMINED WHETHER THE POSSIBLE FIELD LAUNCH POINT IS A FIELD LAUNCH POINT OR AN INSTRUMENTATION SITE.

25X1

ZLATOUST ARMAMENTS PLANT 66 5510N 05938E

SMALL SCALE PRECLUDES IDENTIFICATION OF ANY NEW CONSTRUCTION, RAIL CARS OR OBJECTS IN STORAGE AREAS. A SEARCH WITHIN A 25-NM RADIUS OF ZLATOUST REVEALS NO ROCKET ENGINE OR MISSILE TEST STANDS.

25X1

KARABASH POSS SOLID FUEL MISSILE ENG MFG PLT 5727N 06013E

NO APPARENT CHANGE SINCE MISSION [REDACTED]
NO INDICATIONS OF NEW CONSTRUCTION. SCALE AND QUALITY OF PHOTOGRAPHY IS NOT AS GOOD AS MISSION

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SVERDLOVSK SUSPECT STATIC TEST STAND 5652N 06037E

ONLY 50 PERCENT OF SEARCH AREA IS COVERED BY PHOTOGRAPHY. 50 PERCENT OF AREA COVERED CONTAINS SCATTERED CLOUDS AND HAZE. SEARCH OF CLOUD-FREE AREAS WITHIN A 35-NM RADIUS OF SVERDLOVSK REVEALS NO IDENTIFIABLE STATIC TEST STANDS.

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SVERDLOVSK SUSPECT ABM AREA 5650N 06037E

NO ABM ACTIVITY OBSERVED IN CLOUD-FREE AREAS WITHIN A 40-NM RADIUS OF SVERDLOVSK.

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NOVOSIBIRSK SUSPECT ABM AREA 5502N 08256E

NO ABM ACTIVITY OBSERVED IN CLOUD-FREE AREAS WITHIN A 40-NM RADIUS OF NOVOSIBIRSK.

25X1

BONUS 1. BUCHAREST AREA, POSS SSM LAUNCH SITES (ROMANIA)

TWO POSSIBLE SHORT-RANGE SSM LAUNCH SITES HAVE BEEN OBSERVED FOR THE FIRST TIME SE OF BUCHAREST, ROMANIA. SITE 1 IS LOCATED 18 NM SE OF BUCHAREST AT 44-12N 026-20E. SITE 2 IS 19.5 NM ESE OF BUCHAREST AT 44-21N 026-32E. THESE SITES, LOCATED IN SMALL WOODED AREAS APPROXIMATELY 14 NM APART, ARE SIMILAR IN SIZE, SHAPE, AND ORIENTATION, AND ARE SERVED BY UNIMPROVED ROADS. EACH CONSISTS OF 4 ROAD-SERVED CLEARINGS (ARRANGED IN LINE IN A NE/SW DIRECTION) AT LEAST 2 POSSIBLE DRIVE-THROUGH BUILDINGS, AND AT LEAST 6 SUPPORT BUILDINGS.

25X1

SITE 2 WAS NOT PRESENT ON THE LAST CLOUD-FREE COVERAGE OVER THE AREA IN [REDACTED] THE LAST CLOUD-FREE COVERAGE OVER THE AREA OF SITE 1 WAS [REDACTED] AT WHICH TIME IT WAS NOT PRESENT.

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BONUS 2. KORDON SAM TRAINING CENTER 4724N 04808E

ONE, POSSIBLY 2, NEW LAUNCH SITES UNDER CONSTRUCTION AT NORTH END OF LAUNCH COMPLEX. DIRT LANDING STRIP IS LOCATED APPROXIMATELY 3 NM WEST OF SUPPORT BASE

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AND SOUTH OF ROAD. ANOTHER LANDING STRIP IS UNDER CONSTRUCTION NORTH OF ROAD AND APPROXIMATELY .5 NM NORTH OF DIRT STRIP. WEST END APPEARS TO BE BLACKTOPPED WITH GRADING UNDER WAY ON REMAINDER OF STRIP.

25X1

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AIRCRAFT

DOLON AIRFIELD 5032N 07912E

AT LEAST 16 LARGE AND 26 POSSIBLE MEDIUM/LARGE AIRCRAFT VISIBLE. AIRCRAFT PARKING AREAS ARE COVERED BY HEAVY HAZE PRECLUDING IDENTIFICATION AND ACCURATE AIRCRAFT COUNT.

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ENGELS AIRFIELD 5129N 04611E

APPROXIMATELY 35 LARGE UNIDENTIFIED AIRCRAFT (PROBABLY SWEEP-WING) ON MAIN PARKING APRON, APPROXIMATELY 10 MEDIUM-SIZED UNIDENTIFIED AIRCRAFT ON NW AND SE ALERT APRONS, AND 3 POSSIBLE AIRCRAFT ON SOD AREA BETWEEN RUNWAY AND MAIN PARKING APRON.

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TOP SECRET

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SECTION 2. TARGETS NOT OBSERVED BECAUSE OF CLOUD COVER

VERKHNYAYA SALDA ICBM LAUNCH COMPLEX 5802N 06033E
PERM ICBM LAUNCH COMPLEX 5742N 05619E
UZHUR SUSPECT SSM AREA 5518N 08950E
KEMEROVO SUSPECT SSM AREA 5522N 08602E
KOLOZERO SUSPECT ICBM AREA 6810N 03320E
MOSCOW/KHIMKI GUIDED MISSILE PLANT 456 5554N 03727E
MOSCOW/KALININGRAD GUIDED MISSILE PLANT NO 88 5555N 03748E
ZAGORSK SUSPECT STATIC TEST FAC KRASNOZAVODSK 5627N 03812E
MOLOTOV AIRCRAFT ENGINE PLANT STALIN 19 5759N 05614E
MOLOTOV ARMS PL MOTOVILIKHA MOLOTOV 172 5802N 05617E
SEVERODVINSK (MOLOTOVSK) SHIPYARD 402 6434N 03949E
MOSCOW SUSPECT ABM AREA 5545N 03737E
RAMENSKOYE AIRCRAFT EXPERIMENTAL PLT 5535N 03807E

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SECTION 3. TARGETS NOT COVERED BY THE PHOTOGRAPHY

POLYARNYY URAL SUSPECT ICBM AREA 6703N 06524E
PLESETSK ICBM LAUNCH COMPLEX 6252N 04040E
YURYA ICBM LAUNCH COMPLEX 5914N 04929E
CHULYM SUSPECT ICBM AREA 5510N 08015E
TYURA TAM MISSILE TEST COMPLEX 4550N 06318E
YOSHKAR-OLA ICBM LAUNCH COMPLEX 5634N 04803E
SVOBODNYI ICBM LAUNCH COMPLEX 5122N 12808E
MEGET/TELMA SUSPECT ICBM AREA 5224N 10403E
DROVYANAYA ICBM LAUNCH COMPLEX 5132N 11301E
BELAYA SUSPECT ICBM AREA 5252N 10328E
KOSTROMA ICBM LAUNCH COMPLEX 5750N 04115E
OMSK SUSPECT ICBM LAUNCH COMPLEX 5503N 07330E
GLAZOV SUSPECT ICBM LAUNCH COMPLEX 5750N 05257E
TEYKOVO ICBM LAUNCH COMPLEX 5652N 04035E
NYANDOMA SUSPECT ICBM LAUNCH COMPLEX 6139N 04010E
YEDROVO ICBM LAUNCH COMPLEX 5751N 03341E
ALYKEL SUSPECT SSM AREA 6925N 08729E
ASHKHABAD SUSPECT SSM AREA 3757N 05823E
BELOGORSK SUSPECT SSM AREA 5055N 12828E
TAYSHET SUSPECT SSM AREA 5557N 09800E
GLADKAYA ICBM LAUNCH COMPLEX 5605N 09212E
NIZHNEUDINSK SUSPECT SSM AREA 5454N 09903E
GORKIY SUSPECT SSM AREA 5617N 04355E
BARABINSK SUSPECT SSM AREA 5522N 07821E
BRATSK SUSPECT SSM AREA 5605N 10148E
RZHEV SUSPECT SSM AREA 5615N 03420E
SERGACH ICBM SEARCH 5531N 04531E
VELSK ICBM SEARCH 6105N 04207E

KANDALAKSHA SUSPECT SSM AREA 6709N 03225E
MURMANSK SUSPECT SSM AREA 6858N 03305E
VOLOGDA SUSPECT SSM AREA 5913N 03954E
SHAKHUNYA SUSPECT SSM AREA 5740N 04637E
ISHIM SUSPECT SSM AREA 5607N 06929E
BEZHETSK SUSPECT SSM AREA 5747N 03641E
KIMRY SUSPECT SSM AREA 5652N 03721E
KOZELSK ICBM LAUNCH COMPLEX 5357N 03548E
PETROPAVLOVSK SUSPECT SSM AREA 5452N 06906E
SLYUDYANKA SUSPECT ICBM LAUNCH COMPLEX 5131N 10410E
LYALICHI POSS MRBM LAUNCH SITE 4401N 13226E
NOVAYA SYSOYEVKA MRBM LAUNCH SITE 4411N 13333E
KARANGIT MISSILE TEST AREA 4502N 03552E
TALLINN SUSPECT MRBM AREA 5924N 02444E
VIESVILE MRBM LAUNCH SITE 5501N 02221E
VOLKOVYSK SUSPECT MRBM AREA 5310N 02428E
UZHGOROD/PERECHIN SUSPECT MRBM AREA 4837N 02218E
GRANOV MRBM LAUNCH SITE NO 1 4856N 02930E

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TOP SECRET

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LENINAKAN/YEREVAN SUSPECT MRBM AREA 4048N 04350E
SIMFEROPOL SUSPECT MRBM AREA 4457N 03406E
GUSEV MRBM LAUNCH SITE NO 2 5444N 02205E
MUKACHEVO MRBM LAUNCH SITE 2 4820N 02238E
IECAVA MRBM LAUNCH SITE 1 5635N 02403E
TORVA MRBM LAUNCH SITE NO 2 5759N 02606E
TARTU SUSPECT MRBM AREA 5823N 02643E
KURENETS SUSPECT MRBM AREA 5433N 02657E
KULDIGA SUSPECT MRBM AREA 5658N 02159E
RUSKI MRBM LAUNCH SITE NO 1 5725N 02650E
GRESK MRBM LAUNCH SITE NO 2 5316N 02745E
VORU MRBM LAUNCH SITE NO 2 5749N 02651E
VORU MRBM LAUNCH SITE NO 1 5746N 02647E
DISNA MRBM LAUNCH SITE 5535N 02816E
SMORGON MRBM LAUNCH SITE NO 1 5432N 02617E
KROLEVETS MRBM LAUNCH SITE NO 1 5136N 03328E
ZELKI MRBM LAUNCH SITE 5537N 02826E
KOZYANY MRBM LAUNCH SITE 5521N 02652E
POSTAVY MRBM LAUNCH SITE 1 5510N 02655E
YEREVAN SUSPECT MRBM AREA 4011N 04430E
LEBEDIN MRBM LAUNCH SITE NO 1 5033N 03426E
TAPA SUSPECT MISSILE AREA 5916N 02558E
RAGNIT PROB MRBM LAUNCH SITE 5502N 02211E
LIDA MRBM LAUNCH SITE 1 5347N 02521E
DYATLOVO MRBM LAUNCH SITE 5333N 02516E
BEREZOVKA MRBM LAUNCH SITE 5336N 02526E
IECAVA MRBM LAUNCH SITE 2 5639N 02408E
GROSS STEFFELSDORF SUSPECT MRBM AREA (CZECH) 4823N 02002E
ZIPSER NEUDORF SUSPECT MRBM AREA (CZECH) 4857N 02034E
ZELENA-FRYDEK SUSPECT MRBM AREA (CZECH) 4941N 01821E
RUZOMBEROK SUSPECT MRBM AREA (CZECH) 4905N 01919E
BOZNSKA BYSTRICA SUSPECT MRBM AREA (CZECH) 4844N 01909E
BORKOVICHI MRBM LAUNCH SITE 5541N 02827E
KARA-BABAU POS MRBM LAUNCH SITE 1 4431N 07759E
LEBEDIN MRBM LAUNCH SITE 2 5035N 03424E
AKHTYRKA MRBM LAUNCH SITE 1 5015N 03450E
AKHTYRKA MRBM LAUNCH SITE 2 5021N 03456E
ZHMERINKA MRBM LAUNCH SITE 4910N 02804E
ZHITOMIR MRBM LAUNCH SITE 1 5004N 02816E
DUNAYEVTSY MRBM LAUNCH SITE 4855N 02659E
LIPNIKI POSSIBLE MRBM LAUNCH SITE 5112N 02826E
ANASTASYEVKA MRBM LAUNCH SITE 2 4836N 13541E
GRODNO SUSPECT MRBM AREA 5339N 02350E
VECZVARDE SUSPECT SSM AREA 5634N 02240E
NIGRANDE MRBM LAUNCH SITE 5631N 02202E
KUSHKA SUSPECT SSM AREA 3516N 06224E
BAYRAM-ALI SUSPECT SSM AREA 3737N 06212E
RISTI MRBM LAUNCH SITE 2 5900N 02400E
KOZHANOVICHI POSSIBLE MRBM LAUNCH SITE 1 5210N 02751E

TOP SECRET

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KOZHANOVICHI MRBM LAUNCH SITE 2 5211N 02748E
 BERDICHEV MRBM LAUNCH SITE 5006N 02822E
 MOLOSKOVITSY MRBM LAUNCH SITE 2 5929N 02910E
 MARINA GORKA MRBM LAUNCH SITE 5326N 02745E
 KROLOVETS MRBM LAUNCH SITE 2 5140N 03330E
 SARY SHAGAN ANTIMISSILE TEST COMPLEX 4602N 07334E
 SHUANG-CHENG-TZU MISSILE TEST CENTER (CHINA) 4107N 10020E
 TU-KO-MA-CHING POSS MISS PROP TEST FAC (CHINA) 4051N 10941E
 KAMCHATKA PENINSULA SUSPECT ABM AREA 5600N 16000E
 VOZZHAYEVKA SUSPECT SSM AREA 5043N 12843E
 DNEPROPETROVSK MOTOR VEHICLE PLANT 3 (DAZ) 4826N 03459E
 KURUMUCH ROCKET ENGINE TEST FACILITY 5331N 04949E
 KRASNOYARSK ARMS PLANT VOROSHILOV NO 4 5600N 09269E
 KRASNOYARSK STATIC TEST STAND 5605N 09327E
 KUYBYSHEV AIRCRAFT ENGINE PLANT FRUNZE 24 5312N 05017E
 KUYBYSHEV AIRFRAME PLANT STALIN 1 5313N 05018E
 KUYBYSHEV AIRFRAME PLT LENIN OR VOROSHILOV 18 5313N 05019E
 OMSK AIRCRAFT ENGINE PLANT BARANOVA 29 5457N 07326E
 OMSK AREA, POSSIBLE STATIC TEST AREA 5527N 07322E
 UFA A/C ENGINE PLANT A 26 5447N 05607E
 UFA A/C ENGINE PLT B 26 5447N 05604E
 MINSK AREA MISSILE PRODUCTION SEARCH 5353N 02734E
 KHARKOV AREA MISSILE PROD SEARCH 4959N 03614E
 KIYEV AREA MISSILE PROD SEARCH 5027N 03030E
 VORONEZH STATIC TEST FACILITY 5134N 03908E
 ZAPOROZHYE AIRCRAFT ENGINE PLANT 478 4749N 03511E
 LENINGRAD AIRCRAFT ENGINE PLT 466B (117) 5959N 03020E
 KAZAN AIRCRAFT ENGINE PLANT 16 5551N 04907E
 SHCHERBAKOV A/C ENGINE PLT 36 5803N 03849E
 ARSENYEV A/C PLANT 116 4409N 13315E

BRZEG (BRIEG) SUSPECT MISSILE AREA (POLAND) 5051N 01728E
 NOVE MESTO POD SUSPECT MISSILE AREA (CZECH) 5056N 01515E
 CHU-HSIEN SUSPECT MISSILE AREA (CHINA) 2902N 11857E
 SHA-CHENG-CHIANG SUSPECT MISSILE AREA (CHINA) 2710N 12024E
 SAN-TU-TAO SUSPECT MISSILE AREA (CHINA) 2639N 11941E
 MEDVED SUSPECT MRBM AREA 5818N 03031E

MARTSIENA POSSIBLE MISSILE SUPPORT INST 5647N 02607E
 CHENG HSIEN SUSPECT MISSILE AREA (CHINA)
 OZERNNY SSM SEARCH 6624N 17906W
 LUOSTARI/PECHENGA RR SEARCH 6925N 03100E
 LIU-CHOU/NAN NING/DONG DANG RAIL LINE (CHINA) 2249N 10819E
 KUN-MING--LAO KAY (VN) RAIL LINE (CHINA) 2502N 10242E
 WU WEI TO AN HSI RR (CHINA) 3800N 10300E
 SHA RIVER VALLEY SSM SEARCH (CHINA) 2556N 11718E
 SEVEROMORSK SUSPECT MISSILE STORAGE 6906N 03328E
 KOMSOMOLSK SHIPYARD AMUR 199 5033N 13702E

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SAYDA GUBA SUBMARINE BASE 6915N 03321E
BALTIYSK NAVAL BASE 5439N 01955E
OLENYA GUBA SUBMARINE BASE 6913N 03323E
POLYARNYY NAVAL BASE 6912N 03328E
LITSA BAY SUBMARINE BASE 6926N 03215E
PETROPAVLOVSK/KAMCHATSKIY SUBMARINE BASE 5255N 15830E
VLADIMIR SUBMARINE BASE 4354N 13530E
VLADIVOSTOK NAVAL BASE AND SHIPYARD 202 4306N 13156E
PROMYSLOVKA NAVAL COMPLEX 4300N 13220E
KALININGRAD NAVAL MISSILE FACILITIES 5450N 02028E
SEVASTOPOL POSS NAVAL MISSILE STGE 4436N 03340E
KOMSOMOLSK/NIKOLAYEVSK SEARCH 5033N 13702E
GORKIY SUSPECT ABM AREA 5620N 04400E
LENINGRAD SUSPECT ABM AREA 5955N 03020E
CHITA SUSPECT ABM AREA 5254N 11332E
KOMSOMOLSK SUSPECT ABM AREA 5034N 13658E
BRATSK SUSPECT ABM AREA 5654N 10030E
CHEPELEVKA AIRFIELD 4947N 03026E
TSANG HSIEN AIRFIELD (CHINA) 3824N 11655E
BARANOVICH AIRFIELD 5306N 02603E
MINSK/MACHULISHCHE AIRFIELD 5347N 02734E
OLENYA AIRFIELD 6809N 03327E
BRIYENI AIRFIELD 4557N 02923E
SPASSK-DALNIY EAST AIRFIELD 4437N 13253E
STRYY AIRFIELD 4914N 02348E
OMSK AIRCRAFT PLANT STALIN 166 5458N 07326E
KAZAN AIRFRAME PLANT GORBUNOV 22 5552N 04908E
KIYEV AIRCRAFT PLANT 473 5027N 03024E

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NPIC/R-112/62

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KANIN NOS ELECT SITE POSS 6846N 04320E
KILDIN ISLAND INSTRUMENTATION SITE 6922N 03412E
PEIPING AREA COMMO FACILITY (CHINA) 4000N 11500E
TATAR STRAITS SUSPECT GM TEST RANGE 5000N 14200E
NING-MING, TRANSSHIPMENT POINT (CHINA) 2212N 10705E
NAN-NING COMPLEX (CHINA) 2249N 10819E
BEIPING COMPLEX (CHINA) 3945N 11624E

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